

**INFORMATION DISCLOSURE
STATEMENT**

Atty Docket:
Serial No.:
Applicant:
Filing Date:
Group:
2616

GCSD-1466 (51332)

10/658,360

Cain et al.

September 9, 2003

U.S. PATENT DOCUMENTS

| Examiner Initials | | Document Number | Date | Name | Class | Sub Class | Filing Date |
|-------------------|----|-----------------|----------|----------------------|-------|-----------|-------------|
| HN | AA | 5,412,654 | 5/2/95 | Perkins | 370 | 94.1 | |
| | AB | 5,581,703 | 12/3/96 | Baugher et al. | 395 | 200.6 | |
| | AC | 5,884,174 | 3/16/99 | Nagarajan et al. | 455 | 436 | |
| | AD | 5,987,011 | 11/16/99 | Toh | 370 | 331 | |
| | AE | 6,189,033 | 2/13/01 | Jin et al. | 709 | 255 | |
| | AF | 6,216,006 | 4/10/01 | Scholefield et al. | 455 | 450 | |
| | AG | 6,304,556 | 10/16/01 | Haas | 370 | 254 | |
| | AH | 2001/0033556 | 10/25/01 | Krishnamurthy et al. | 370 | 329 | 1/18/01 |
| | AI | 6,335,927 | 1/1/02 | Elliot et al. | 370 | 352 | |
| | AJ | 2002/0018448 | 2/14/02 | Amis et al. | 370 | 255 | 4/24/01 |
| | AK | 6,349,091 | 2/19/02 | Li | 370 | 238 | |
| | AL | 6,377,548 | 4/23/02 | Chuah | 370 | 233 | |
| | AM | 6,385,174 | 5/7/02 | Li | 370 | 252 | |
| | AN | 6,396,814 | 5/28/02 | Iwamura et al. | 370 | 256 | |
| | AO | 2002/0082035 | 6/27/02 | Aihara et al. | 455 | 518 | 7/6/01 |
| | AP | 2002/0101822 | 8/1/02 | Ayyagari et al. | 370 | 235 | 11/30/00 |
| | AQ | 2002/0103893 | 8/1/02 | Frelechoux et al. | 709 | 223 | 1/29/02 |
| | AR | 6,449,558 | 9/10/02 | Bowman-Amuah | 703 | 21 | |
| | AS | 6,456,599 | 9/24/02 | Elliott | 370 | 254 | |
| | AT | 6,473,467 | 10/29/02 | Wallace et al. | 375 | 267 | |
| | AU | H2051 | 11/5/02 | Zhu et al. | 370 | 395.21 | |
| | AV | 6,493,759 | 12/10/02 | Passman et al. | 709 | 227 | |
| | AW | 6,501,741 | 12/31/02 | Mikkonen et al. | 370 | 310 | |
| | AX | 6,515,972 | 2/4/03 | Gage et al. | 370 | 328 | |
| | AY | 6,522,628 | 2/18/03 | Patel et al. | 370 | 230.1 | |
| HN | AZ | 6,535,498 | 3/18/03 | Larsson et al. | 370 | 338 | |

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| INFORMATION DISCLOSURE STATEMENT | | Atty Docket: Serial No.: Applicant: Filing Date: Group: | GCSD-1466 (51332) 10/658,360 Cain et al. September 9, 2003 2616 |
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| U.S. PATENT DOCUMENTS | | | | | | | |
|--|----|--|---------|----------------------|-------|-----------|-------------|
| Examiner Initials | | Document Number | Date | Name | Class | Sub Class | Filing Date |
| HN | BA | 2003/0053424 | 3/20/03 | Krishnamurthy et al. | 370 | 316 | 8/7/01 |
| HN | BB | 2003/0067941 | 4/10/03 | Fall | 370 | 468 | 10/9/01 |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| | | Document Number | Date | Country | Class | Sub Class | Translation |
| | BC | | | | | | |
| OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.) | | | | | | | |
| HN | BD | Zhu, <i>Medium Access Control and Quality-of-Service Routing for Mobile Ad Hoc Networks</i> , PhD thesis, Department of Computer Engineering, University of Maryland, College Park, MD, 2001 | | | | | |
| HN | BE | Mirhakkak et al., <i>Dynamic Quality-of-Service for Mobile Ad Hoc Networks</i> , MITRE Corp., 2000 | | | | | |
| HN | BF | Das et al., <i>Routing in Ad-Hoc Networks Using Minimum Connected Dominating Sets</i> , IEEE Int. Conf. On Commun. (ICC '97), 1997 | | | | | |
| HN | BG | Das et al., <i>Routing in Ad-Hoc Networks Using a Spine</i> , IEEE Int. Conf. On Computer Commun. and Networks (IC3N '97), 1997 | | | | | |
| HN | BH | Raghunathan et al., <i>Gateway Routing: A Cluster Based Mechanism for Recovery from Mobile Host Partitioning in Cellular Networks</i> , Proceedings of the 3 rd IEEE Symposium on Application-Specific Systems and Software Engineering Technology (ASSET'00), 2000 | | | | | |
| HN | BI | Chen et al., <i>Clustering and Routing in Mobile Wireless Networks</i> , Nortel Networks and Computer Science, SITE, University of Ottawa, (no date available) | | | | | |
| HN | BJ | Krishna et al., <i>A Cluster Based Approach for Routing in Dynamic Networks</i> , ACM Computer Communications Review, 27(2), April 1997 | | | | | |
| HN | BK | Chiang, <i>Routing in Clustered Multihop, Mobile Wireless Networks with Fading Channel</i> , Proceedings of IEEE SICON '97, April 1997, pp. 36-45 | | | | | |
| HN | BL | Gerla, <i>Clustering and Routing in Large Ad Hoc Wireless Nets</i> , Computer Science Department, University of California, Los Angeles, Final Report 1998-99 for MICRO project 98-044 | | | | | |
| HN | BM | Van Dyck et al., <i>Distributed Sensor Processing Over an Ad-Hoc Wireless Network: Simulation Framework And Performance Criteria</i> , Proceedings IEEE Milcom, Oct. 2001 | | | | | |
| HN | BN | Lin et al., <i>Adaptive Clustering for Mobile Wireless Networks</i> , IEEE Journal on Selected Areas in Communications, 15(7), September 1997 | | | | | |

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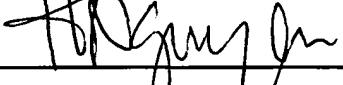
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| INFORMATION DISCLOSURE STATEMENT | | Atty Docket: Serial No.: Applicant: Filing Date: Group: | GCSD-1466 (51332) 10/658,360 Cain et al. September 9, 2003 Z616 |
| OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.) | | | |
| HN | BO | McDonald, <i>PhD. Dissertation Proposal: A Mobility-Based Framework for Adaptive Dynamic Cluster-Based Hybrid Routing in Wireless Ad-Hoc Networks</i> , University of Pittsburgh, 1999 | |
| HN | BP | Royer et al., <i>A Review of Current Routing Protocols for Ad Hoc Mobile Wireless Networks</i> , IEEE Personal Communications, April 1999, pp. 46-55 | |
| HN | BQ | Corson et al., <i>A Reservation-Based Multicast (RBM) Routing Protocol for Mobile Networks: Initial Route Constructions Phase</i> , ACM/I. 1, No. 4, 1995, pp. 1-39 | |
| HN | BR | Xiao et al., <i>A Flexible Quality of Service Model for Mobile Ad Hoc Networks</i> , IEEE VTC2000-spring, Tokyo, Japan, May 2000 | |
| HN | BS | Wu et al., <i>QoS Support in Mobile Ad Hoc Networks</i> , Computing Science Department, University of Alberta, (no date available) | |
| HN | BT | Corson et al., <i>Mobile Ad Hoc Networking (MANET): Routing Protocol Performance Issues and Evaluation Considerations</i> , Network Working Group, Internet Engineering Task Force (IETF) MANET Working Group, Internet Draft, January 1999 | |
| HN | BU | Haas et al., <i>The Bordercast Resolution Protocol (BRP) for Ad Hoc Networks</i> , Internet Engineering Task Force (IETF) MANET Working Group, Internet Draft, June 2001 | |
| HN | BV | Haas et al., <i>The Interzone Routing Protocol (IERP) for Ad Hoc Networks</i> , Internet Engineering Task Force (IETF) MANET Working Group, Internet Draft, June 2001 | |
| HN | BW | Haas et al., <i>The Intrazone Routing Protocol (IERP) for Ad Hoc Networks</i> , Internet Engineering Task Force (IETF) MANET Working Group, Internet Draft, June 2001 | |
| HN | BX | Clausen et al., <i>Optimized Link State Routing Protocol</i> , Internet Engineering Task Force (IETF) MANET Working Group, Internet Draft, October 31, 2001 | |
| HN | BY | Perkins et al., <i>Quality of Service in Ad hoc On-Demand Distance Vector Routing</i> , Internet Engineering Task Force (IETF) MANET Working Group, Internet Draft, July 2000 | |
| HN | BZ | Park et al., <i>Temporally-Ordered Routing Algorithm (TORA) Versoin 1 Functional Specification</i> , Internet Engineering Task Force (IETF) MANET Working Group, Internet Draft, July 20, 2001 | |
| HN | CA | Ogier et al., <i>Topology Broadcast Based on Reserve-Path Forwarding (TBRPF)</i> , Internet Engineering Task Force (IETF) MANET Working Group, Internet Draft, January 10, 2002 | |
| HN | CB | Gerla et al., <i>Landmark Routing Protocol (LANMAR) for Large Scale Ad Hoc Networks</i> , Internet Engineering Task Force (IETF) MANET Working Group, Internet Draft, December 17, 2001 | |
| HN | CC | Hu et al., <i>Flow State in the Dynamic Socource Routing Protocol for Mobile Ad Hoc Networks</i> , Internet Engineering Task Force (IETF) MANET Working Group, Internet Draft, February 23, 2001 | |
| HN | CD | Gerla et al., <i>Fisheye State Routing Protocol (FSR) for Ad Hoc Networks</i> , Internet Engineering Task Force (IETF) MANET Working Group, Internet Draft, December 17, 2001 | |

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|---|----|---|
| INFORMATION DISCLOSURE STATEMENT | | Atty Docket: GCSD-1466 (51332) Serial No.: 10/658,360 Applicant: Cain et al. Filing Date: September 9, 2003 Group: 266 |
| OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.) | | |
| HN | CE | Johnson et al., <i>The Dynamic Source Routing Protocol for Mobile Ad Hoc Networks (DSR)</i> , Internet Engineering Task Force (IETF) MANET Working Group, Internet Draft, November 21, 2001 |
| HN | CF | Perkins et al., <i>Ad hoc On-Demand Distance Vector (ADOV) Routing</i> , Internet Engineering Task Force (IETF) MANET Working Group, Internet Draft, November 9, 2001 |
| HN | CG | Chakrabarti et al., "QoS Issues in Ad Hoc Wireless Networks", IEEE Communications Magazine, (2/01), pp. 142-148 |
| HN | CH | Chen, "Routing Support for Providing Guaranteed End-to-End Quality-of-Service," Ph.D. thesis, Univ. of Illinois at Urbana-Champaign, http://cairo.cs.uiuc.edu/papers/Scthesis.ps , 1999 |
| HN | CI | Jin et al., <i>A Hierarchical Routing Protocol for Large Scale Ad Hoc Network</i> , IEEE 1999, pages 379-385. |
| HN | CJ | Gerla et al., <i>Multicluster, Mobile, Multimedia Radio Network</i> , Wireless Networks I, 1995, pages 255-265. |

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| EXAMINER:  | DATE CONSIDERED: 4/12/06 |
| *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |